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## **Attachment 15**

**to Operations Group Factual Report**

**DCA05MA004**

**FAA Flight Inspection Report for Runway 36 at  
Kirksville Airport, Kirksville, Missouri**



696434-05

| FLIGHT INSPECTION REPORT--INSTRUMENT LANDING SYSTEM |         |   |    |                                    |       |                       |  |  |  |   |         | REVIEW INITIALS<br>10/26/04      |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|---|---------|---|----|------------------------------------|-------|-----------------------|--|--|--|---|---------|----------------------------------|----|-------------------------------------|-------|-----------------|---------|-------------------------------------|----|-------------------------------------|-------|--|--|
| 1. LOCATION: KIRKSVILLE, MO                         |         |   |    |                                    |       |                       |  |  |  |   |         | 2. IDENT: IRK                    |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| 3. RUNWAY NO: 36                                    |         |   |    | 4. DATE(S) OF INSPECTION: 10/23/04 |       |                       |  |  |  | 5. OWNER: F                             |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| 6. TYPE OF INSPECTION                               |         |   |    | SITE EVALUATION                    |       | PERIODIC              |  | <input checked="" type="checkbox"/> SPECIAL AA     |  | COMMISSIONING                           |         |                                  |    | SURVEILLANCE                        |       | INCOMPLETE      |         |                                     |    |                                     |       |  |  |
| 7. FACILITY INSPECTED                               |         | <input checked="" type="checkbox"/> LOCALIZER |    | SDF                                |       | GLIDE SLOPE           |  | <input checked="" type="checkbox"/> 75 MHz MARKERS |  | <input checked="" type="checkbox"/> DME |         | LDA                              |    | TLS                                 |       | LIGHTING SYSTEM |         | COMPASS LOCATORS                    |    | OTHER                               |       |  |  |
| 8. AZIMUTH  |         |   |    |                                    |       |                       |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| FRONT COURSE  |         |   |    |                                    |       |                       |  |  |  |   |         | COMD WIDTH: 6.00                 |    |                                     |       | BACK COURSE     |         |                                     |    |                                     |       |  |  |
| TX 1  |         |   |    |                                    |       | TX 2                  |  |  |  |   |         | TX 1                             |    |                                     |       | TX 2            |         |                                     |    |                                     |       |  |  |
| OT  | INITIAL | FINAL   | OT | INITIAL                            | FINAL | CATEGORY: I           |  |  |  | OT                                      | INITIAL | FINAL                            | OT | INITIAL                             | FINAL | OT              | INITIAL | FINAL                               | OT | INITIAL                             | FINAL |  |  |
|   |         | 5.86  |    |                                    |       | COURSE WIDTH          |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 49.8  |    |                                    |       | SYMMETRY              |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 40.7  |    |                                    |       | MODULATION            |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 291/19.0                                      |    |                                    |       | CLEARANCE 150         |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 282/18.7                                      |    |                                    |       | CLEARANCE 90          |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 1/4.02  |    |                                    |       | COURSE STRUCTURE-Z 1  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 2/0.75  |    |                                    |       | COURSE STRUCTURE-Z 2  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 1/0.28  |    |                                    |       | COURSE STRUCTURE-Z 3  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | COURSE STRUCTURE-Z 4  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | COURSE STRUCTURE-Z 5  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | 1/8.6   |    |                                    |       | VERTICAL POLARIZATION |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | CL  |    |                                    |       | ALIGNMENT             |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         | S   |    |                                    |       | IDENTIFICATION        |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | VOICE                 |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | USABLE DISTANCE       |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | MONITOR               |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | COURSE WIDTH (Narrow) |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | COURSE WIDTH (Wide)   |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | CLEARANCE 150         |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | CLEARANCE 90          |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | ALIGNMENT 150         |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | ALIGNMENT 90          |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| 9. GLIDE SLOPE                                      |         |   |    |                                    |       |                       |  |  |  |   |         | 10. GENERAL                      |    |                                     |       | SAT             |         | UNSAT                               |    |                                     |       |  |  |
| TX 1  |         |   |    |                                    |       | TX 2                  |  |  |  |   |         | COMD ANGLE:                      |    |                                     |       | 75 MHz MARKERS  |         |                                     |    | <input checked="" type="checkbox"/> |       |  |  |
| OT  | INITIAL | FINAL   | OT | INITIAL                            | FINAL | CATEGORY:             |  |  |  | COMPASS LOCATORS                        |         |                                  |    | DME                                 |       |                 |         | <input checked="" type="checkbox"/> |    |                                     |       |  |  |
|   |         |   |    |                                    |       | ANGLE                 |  |  |  | LIGHTING SYSTEMS                        |         |                                  |    | SIAP(S) VERIFIED                    |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | MODULATION            |  |  |  | 11. FACILITY STATUS                     |         |                                  |    | F/C                                 |       | G/S             |         | B/C                                 |    |                                     |       |  |  |
|   |         |   |    |                                    |       | WIDTH                 |  |  |  | UNRESTRICTED                            |         |                                  |    | <input checked="" type="checkbox"/> |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | STRUCTURE BELOW PATH  |  |  |  | RESTRICTED                              |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | SYMMETRY              |  |  |  | UNUSABLE                                |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | PATH STRUCTURE-Z 1    |  |  |  | ILS CLASSIFICATION SYSTEM               |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | PATH STRUCTURE-Z 2    |  |  |  | NOTAM's:                                |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | PATH STRUCTURE-Z 3    |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | CLEARANCE BELOW PATH  |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
|   |         |   |    |                                    |       | - USABLE DISTANCE     |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| 12. REMARKS:  |         |   |    |                                    |       |                       |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| Control #, LOC/D LOC/L, O-10-122-4.                 |         |   |    |                                    |       |                       |  |  |  |   |         |                                  |    |                                     |       |                 |         |                                     |    |                                     |       |  |  |
| REGION: ACE   |         |   |    | FLIGHT INSPECTOR'S SIGNATURE:      |       |                       |  | BS   |  |   |         | TECHNICIAN'S SIGNATURE: 10/26/04 |    |                                     |       | AIRCRAFT NO:    |         |                                     |    |                                     |       |  |  |
| FIO: OKC  |         |   |    | CORT BRATER                        |       |                       |  | 10-26-04   |  |   |         | TONY JONES                       |    |                                     |       | N75             |         |                                     |    |                                     |       |  |  |

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Date Completed: 10/26/2004

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| FLIGHT INSPECTION REPORT--AFTER ACCIDENT<br>CONTINUATION SHEET   |  | REVIEW INITIALS   |
|--|--|---|
| 1. LOCATION: KIRKSVILLE, MO  |  | 2. IDENT: IRK   |
| 3. FACILITY TYPE: LOCALIZER / DME  | 4. DATE(S) OF INSPECTION: 10/23/04                         |   |
| 5. DATE AND TIME OF ACCIDENT: 10/20/04, 0040Z  | 6. AIRCRAFT TYPE AND NUMBER: BAE-31/31S, JETSTREAM, N875JX |   |
| 7. PROCEDURES IN USE AT TIME OF ACCIDENT: Kirksville Regional, MO. LOC/DME RWY 36, (Amdt. 6B) .  |  |   |
| 8. EQUIPMENT IN USE AT TIME OF ACCIDENT: Localizer single transmitter. DME single transponder.   |  |   |
| 9. DATE AND TIME OF AFTER ACCIDENT INSPECTION: DATE: 10/23/04 TIME: 1457Z  |  |   |
| 10. WEATHER CONDITIONS AT TIME OF INSPECTION: Wind 230 degrees, 17 knots per hour gusting to 22 knots per hour, visibility 10 statute miles, few clouds 1100 feet, 2100 feet broken, 2700 feet overcast, temperature 18 degrees Celsius, dew point 14 degrees Celsius, altimeter 29.62 inches. |  |   |
| 11. PROCEDURES INSPECTED AND EXTENT OF INSPECTION: Same as field 7. Final approach segment evaluated.  |  |   |
| 12. SIAP:<br><br><input checked="checked" type="checkbox"/> SATISFACTORY <input type="checkbox"/> UNSATISFACTORY   |  | 13. NAME AND ROUTING SYMBOL OF ACCIDENT<br>COORDINATOR/INVESTIGATOR<br>Bob Drake, AAI-110 |
| 14. REMARKS: Facility operation found satisfactory.  |  |   |

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| FLIGHT INSPECTION REPORT-INSTRUMENT LANDING SYSTEM   |         |                               |                                    |         |              |                       |                         |                           |            | REVIEW INITIALS<br>K/M 11/7/03 |              |         |       |
|--|---------|-------------------------------|------------------------------------|---------|--------------|-----------------------|-------------------------|---------------------------|------------|--------------------------------|--------------|---------|-------|
| 1. LOCATION: KIRKSVILLE, MO.   |         |                               |                                    |         |              |                       |                         |                           |            | 2. IDENT: IRK                  |              |         |       |
| 3. RUNWAY NO: 36   |         |                               | 4. DATE(S) OF INSPECTION: 10/22/03 |         |              |                       |                         |                           |            | 5. OWNER: F                    |              |         |       |
| 6. TYPE OF INSPECTION  |         |                               | SITE EVALUATION                    |         | PERIODIC     |                       | X                       |                           | SPECIAL MR |                                |              |         |       |
|  |         |                               | COMMISSIONING                      |         | SURVEILLANCE |                       |                         |                           | INCOMPLETE |                                |              |         |       |
| 7. FACILITY INSPECTED  |         | X                             | LOCALIZER                          | SDF     | GLIDE SLOPE  | X                     | 75 MHz MARKERS          | X                         | DME        |                                |              |         |       |
|  |         |                               | LDA                                | TLS     | X            | LIGHTING SYSTEM       | COMPASS LOCATORS        |                           | OTHER      |                                |              |         |       |
| 8. AZIMUTH   |         |                               |                                    |         |              |                       |                         |                           |            |                                |              |         |       |
| FRONT COURSE   |         |                               |                                    |         |              | COMD WIDTH: 6.00      |                         | BACK COURSE               |            |                                |              |         |       |
| TX 1   |         |                               | TX 2                               |         |              | CATEGORY: I           |                         | TX 1                      |            |                                | TX 2         |         |       |
| OT   | INITIAL | FINAL                         | OT                                 | INITIAL | FINAL        |                       |                         | OT                        | INITIAL    | FINAL                          | OT           | INITIAL | FINAL |
|  |         | 5.95                          |                                    |         |              | COURSE WIDTH          |                         |                           |            |                                |              |         |       |
|  |         | 50.3                          |                                    |         |              | SYMMETRY              |                         |                           |            |                                |              |         |       |
|  |         | 39.8                          |                                    |         |              | MODULATION            |                         |                           |            |                                |              |         |       |
|  |         | 258/27.5                      |                                    |         |              | CLEARANCE 150         |                         |                           |            |                                |              |         |       |
|  |         | 253/18.7                      |                                    |         |              | CLEARANCE 90          |                         |                           |            |                                |              |         |       |
|  |         | 2/4.58                        |                                    |         |              | COURSE STRUCTURE-Z 1  |                         |                           |            |                                |              |         |       |
|  |         | 1/0.66                        |                                    |         |              | COURSE STRUCTURE-Z 2  |                         |                           |            |                                |              |         |       |
|  |         | 1/0.16                        |                                    |         |              | COURSE STRUCTURE-Z 3  |                         |                           |            |                                |              |         |       |
|  |         | 1/0.21                        |                                    |         |              | COURSE STRUCTURE-Z 4  |                         |                           |            |                                |              |         |       |
|  |         | 1/0.49                        |                                    |         |              | COURSE STRUCTURE-Z 5  |                         |                           |            |                                |              |         |       |
|  |         | 0/8.20                        |                                    |         |              | VERTICAL POLARIZATION |                         |                           |            |                                |              |         |       |
| 7R   | CL      |                               |                                    |         |              | ALIGNMENT             |                         |                           |            |                                |              |         |       |
|  | S       |                               |                                    |         |              | IDENTIFICATION        |                         |                           |            |                                |              |         |       |
|  |         |                               |                                    |         |              | VOICE                 |                         |                           |            |                                |              |         |       |
|  |         |                               |                                    |         |              | USABLE DISTANCE       |                         |                           |            |                                |              |         |       |
|  |         |                               |                                    |         |              | MONITOR               |                         |                           |            |                                |              |         |       |
|  |         | 5.32                          |                                    |         |              | COURSE WIDTH (Narrow) |                         |                           |            |                                |              |         |       |
|  |         | 6.80                          |                                    |         |              | COURSE WIDTH (Wide)   |                         |                           |            |                                |              |         |       |
|  |         | 249/13.1                      |                                    |         |              | CLEARANCE 150         |                         |                           |            |                                |              |         |       |
|  |         | 236/18.3                      |                                    |         |              | CLEARANCE 90          |                         |                           |            |                                |              |         |       |
|  |         |                               |                                    |         |              | ALIGNMENT 150         |                         |                           |            |                                |              |         |       |
|  |         |                               |                                    |         |              | ALIGNMENT 90          |                         |                           |            |                                |              |         |       |
| 9. GLIDE SLOPE   |         |                               |                                    |         |              |                       |                         |                           |            |                                |              |         |       |
| TX 1   |         |                               | TX 2                               |         |              | COMD ANGLE:           |                         | 75 MHz MARKERS            |            | SAT                            | UNSAT        |         |       |
| OT   | INITIAL | FINAL                         | OT                                 | INITIAL | FINAL        | CATEGORY:             |                         | COMPASS LOCATORS          |            | X                              |              |         |       |
|  |         |                               |                                    |         |              | ANGLE                 |                         | DME                       |            | X                              |              |         |       |
|  |         |                               |                                    |         |              | MODULATION            |                         | LIGHTING SYSTEMS          |            | X                              |              |         |       |
|  |         |                               |                                    |         |              | WIDTH                 |                         | SIAP(S) VERIFIED          |            | X                              |              |         |       |
|  |         |                               |                                    |         |              | STRUCTURE BELOW PATH  |                         | 11. FACILITY STATUS       |            | F/C                            | G/S          | B/C     |       |
|  |         |                               |                                    |         |              | SYMMETRY              |                         | UNRESTRICTED              |            | X                              |              |         |       |
|  |         |                               |                                    |         |              | PATH STRUCTURE-Z 1    |                         | RESTRICTED                |            |                                |              |         |       |
|  |         |                               |                                    |         |              | PATH STRUCTURE-Z 2    |                         | UNUSABLE                  |            |                                |              |         |       |
|  |         |                               |                                    |         |              | PATH STRUCTURE-Z 3    |                         | ILS CLASSIFICATION SYSTEM |            | I/E                            |              |         |       |
|  |         |                               |                                    |         |              | CLEARANCE BELOW PATH  |                         | NOTAM's:                  |            |                                |              |         |       |
|  |         |                               |                                    |         |              | USABLE DISTANCE       |                         |                           |            |                                |              |         |       |
| 12. REMARKS:   |         |                               |                                    |         |              |                       |                         |                           |            |                                |              |         |       |
| 1. Special 0-05-063-3, maintenance requested narrow reference values. narrow clearance reference values, 150 Hz, 244ua/29.6°, 90 Hz, 282ua/19.4°. Periodic with monitor inspection completed.  |         |                               |                                    |         |              |                       |                         |                           |            |                                |              |         |       |
| 2. Special 0-10-057-3, maintenance requested Outer Marker major and minor Axis reference values. On localizer course width was 2877', 150 Hz side width was 2753', 90 Hz side width was 2242'. |         |                               |                                    |         |              |                       |                         |                           |            |                                |              |         |       |
| REGION: ACE  |         | FLIGHT INSPECTOR'S SIGNATURE: |                                    |         |              | LM                    | TECHNICIAN'S SIGNATURE: |                           |            |                                | AIRCRAFT NO: |         |       |
| FIO: OKC   |         | CHARLES BRION 11-7-07         |                                    |         |              |                       | GLENN KING 11/4/03      |                           |            |                                | N75          |         |       |

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